

FY 2001 – 2006 PERFORMANCE BASED INCENTIVE**SECTION 1
General Information**

Title: FY 2001 Deferred Work Scope

Project Baseline Summary (PBS): TW03,04,08

Work Breakdown Structure (WBS): 5.01

Maximum Available Incentive Fee: *Superstretch Fee Potential = \$1,185K¹*
Total Estimated Superstretch BCWS = \$7,989K

Type: Superstretch

¹ \$7,989K BCWS + \$1,185K Fee = \$9,174K Funds**SECTION 2
Technical Contacts**

ORP Point of Contact: L. Erickson

Contractor Point of Contact: D. B. Cartmell

**SECTION 3
Performance Expectations and Earning Schedule****General:**

1. The Contractor's final fee will be determined in accordance with clause H.1, Performance Based Incentives and Fee Distribution.
2. Performance Based Incentives may be modified to reflect changes to the project baseline resulting from external drivers, such as, submission and approval of TPA change requests for consistency purposes.
3. Acceptable product completion represents technical adequacy and good value to the government.

Specific Requirements and Corresponding Basis for Performance Incentive:

Pursuant to Baseline Change Request (BCR) RPP-01-054, complete the following (fee for individual items will be earned in the fiscal year in which the work is completed regardless of the milestone dates):

1. Evaporator Condenser Replacement. This activity will remove the existing carbon steel condenser at the 242-A Evaporator, and replace it with a new stainless steel condenser that is currently in storage, to ensure the continued availability of the Evaporator. Specific subtasks identified in this estimate are: plan and prepare for the evaporator condenser replacement, installation of the existing spare evaporator condenser, and preparation for restart of condenser and conducting a Standard Start-up Review in accordance with the procedure HNF-PRO-055, "Facilities Start-up Readiness." Timely replacement of the 242-A evaporator condenser ensures uninterrupted evaporative capability to the tank farms. The evaporator directly supports the ability to manage the volume of waste contained in the Double-Shell Tanks (DST). A prolonged outage of the evaporator would severely jeopardize the River Protection Project's (RPP) commitment to Ecology with respect to interim stabilization of the Single-Shell Tanks (SST) and retrieval of SST wastes. Milestone date 09/30/06. (Earn 13.1% of fee)
2. Deactivation of 702-A. This includes the design, Job Control System (JCS) planning, procurement, fabrication, testing, and turnover for capping the 296-A-17 and the 400 cfm exhauster stacks for isolation from the equipment. Since the 702-A ventilation system is no longer required to support on-going tank farm operations or the Waste Feed Delivery mission, good conduct of operations requires that it be deactivated. It also must be deactivated in order to meet the requirements of the State of Washington Department of Ecology's (Ecology) Administrative Orders 1250 and 1251, Action 5. Deactivation of 702-A must be completed within one year of the 06/30/05, deadline imposed by this order. Milestone date 09/30/06. (Earn 10.7% of fee)
3. Resolve SST Domeload Conservatism. Reevaluation and analysis of existing domeload restrictions for operational efficiencies. This activity will close historic questions on the existing dome load limits for SST farms. This may result in a reduction in the conservatism and a corresponding increase in the allowed loads on tanks. This is important to retrieval system design and

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- operation of SST farms. Milestone date 09/03/06.(Earn 4.5% of fee)
4. Standard Hydrogen Monitoring System (SHMS), remove and isolate. Removal of four (4) SHMS and isolation of one (1) SHMS. Removal of these five SHMS from active status will eliminate approximately \$175K of operating costs per year or a net savings of more than \$2.5M during Phase I (2018) of the waste-processing project. Milestone date 09/30/06.(Earn 2.6% of fee)
 5. Information Resource Management (IRM) Integrated Data Management System Pilot. Pilot in process for CHG Procedures area. Integrated Data Management System (IDMS) includes workflow and electronic approvals. Completion of the IDMS Pilot will identify the key components and demonstrate the viability of implementation of this automated system. If successfully demonstrated, implementation of the IDMS at a cost of \$3.75M is expected to result in a savings of \$6.9M per year beginning in FY 2003. Milestone date 09/30/06.(Earn 5.0% of fee)
 6. Inactive S/SX Work (Abandoned Equipment). Removal of eight (8) WFIEs, one (1) Heat Trace Cabinet, two (2) inactive Exhausters and Deactivation of sixteen (16) Vertical Storage Units in S and SX Farms. Removing or deactivating old legacy equipment is required for good Conduct of Operations and supports the Land Disposal Restrictions (LDR) planning. This inactive equipment detracts from the farm housekeeping and is a potential source of surface contamination. Milestone date 09/30/06. (Earn 3.2% of fee)
 7. TMACS Connections. Completion of sixteen (16) TMACS Connections. Completion of an additional 16 Tank Monitoring and Control System (TMACS) connections will accelerate full conversion to TMACS, thereby providing enhanced capability to manage the tank farms. The TMACS provides a more reliable, automated system for monitoring and reporting status of the tanks. Milestone date 09/30/06. (Earn 8.8% of fee)
 8. CASS to TMACS. Completion of CASS to TMACS Phase One installations for six (6) locations. Completion of CASS to TMACS Phase Two installations for nine (9) locations. This will complete the transfer of CASS to TMACS that will provide enhanced capability to manage the tank farms. The TMACS provides a more reliable, automated system for monitoring and reporting status of the tanks. Milestone date 09/30/06. (Earn 4.0% of fee)
 9. Reduce Contamination Zones in SST Farms. Reduction of contamination zones by approximately 400,000 square meters in SST farms. Reduction in the area of contamination zones is expected to increase worker efficiency by accelerating the movement of workers into and out of farms. It will also reduce potential airborne contamination. Milestone date 09/30/06. (Earn 16.2% of fee)
 10. ENRAF - Liquid Level Gauge (LLG) Upgrades. Completion of seven (7) ENRAF installations. This will provide the capability to monitor changes in liquid levels in tanks, as required by DOE order and environmental regulations, where either the existing LLG is broken or no LLG currently exists. Milestone date 09/30/06. (Earn 3.7% of fee)
 11. Drawing Upgrades. H-14 system drawing development for 244-TX, 244-BX, 204-AR. Label replacement preparation and installation in C Farm, 244-A, 244-S, 244-TX, 244-U. This will provide improved configuration management and control of tank farm systems. Drawing and labeling upgrades enhance worker safety by providing added assurance that we know and understand the as-built condition of a tank farm system any time we plan to operate, maintain, or upgrade that system. Milestone date 09/30/06. (Earn 10.3% of fee)
 12. Raw Water Totalizers. Installation of three (3) Raw Water Totalizers. The measuring capability of the raw water totalizers provides enhanced capability to better manage DST space by providing more accurate measurement of water that is purposely added to the tank farm system, e.g., for line flushes. DST space is at a premium as we continue to add waste from the SST (both from the Interim Stabilization project and from retrieval of SST wastes), particularly since vitrification of tank wastes is not scheduled to start until 2007. Milestone date 09/30/06. (Earn 1.1% of fee)
 13. Project W-420 Stack Monitoring Upgrade. Design and fabrication work scope except for remaining monthly Management Reports, alternative engineering study and cost estimates. The Project W-420 Stack Monitoring Upgrades is required to provide accurate measurement of air emissions for several tank farm facilities. Accurate measurement and reporting of air emissions is needed to show that RPP and the Hanford Site are in compliance with National Emissions Standards for Hazardous Air Pollutants (CAA) (NESHAPS). Milestone date 09/30/06. (Earn 9.6% of fee)
 14. Electrical Circuit Verification Elementary Drawings. Completion of eighteen (18) Tank Farms, five (5) DCRTs and two (2) facilities electrical circuit verifications (identification of power feeds to instrument cabinets). This is needed to improve configuration management and control of electrical systems in the tank farms. This will enhance worker safety through improved lock and tag processes with higher integrity electrical drawings. Milestone date 09/30/06. (Earn 6.2% of fee)
 15. Leak detection monitoring and mitigation (LDMM) Technology Assessment Comparison Report. Final comparison report for LDMM technology assessment. This will combine the data from a number of individual tests into a single summary report covering all the tests, thereby facilitating internal and stakeholder use. Milestone date 09/30/06. (Earn 1.0% of fee).

SECTION 4

Performance Requirements

DEFINE COMPLETION: *(Specify Performance Elements and describe indicators of success (quality/progress). Include baseline documentation/data against which completion documentation should be compared.)*

The Contractor will submit a letter report documenting completion for each item noted in the table below:

FY 2001 WORKSCOPE Unfunded BCWS

1. Evaporator Condenser replacement. (partial scope)	\$1,200.0
2. Deactivation of 702-A. (entire scope)	\$737.0
3. Reevaluation and analysis of existing dome-load restrictions for operational efficiencies. (entire scope)	\$462.0
4. Removal of up to four (4) SHMS and isolation of up to one (1) SHMS. (entire scope)	\$248.4
5. Pilot in process for CHG Procedures area. IDMS includes workflow and electronic approvals (partial scope)	\$390.0
6. Removal of eight (8) WFIEs, one (1) Heat Trace Cabinet, two (2) Inactive Exhausters and Deactivation of sixteen (16) Vertical Storage Units in S and SX Farms.	\$246.0
7. Completion of sixteen (16) TMACS Connections. (partial scope)	\$727.3
8. Completion of CASS to TMACS Phase One installations for six (6) locations. Completion of CASS to TMACS Phase Two installations for nine (9) locations.	\$307.6
9. Reduction of contamination zones by approximately 400,000 square meters in SST Farms.	\$1,183.0
10. Completion of seven (7) ENRAF installations. (partial scope)	\$267.2
11. H-14 system drawing development for 244-TX; 244-U; 244-BX; 204-AR. Label replacement preparation and installation in C Farm; 244-A; 244-S; 244-TX; 244-U. (partial scope)	\$797.2
12. Installation of three (3) Raw Water Totalizers. (entire scope)	\$109.7
13. Design and fabrication workscope except for remaining monthly Management Reports, alternative engineering study and cost estimates. (partial scope)	\$700.0
14. Completion of eighteen (18) Tank Farms, five (5) DCRTs and two (2) facilities electrical circuit verifications (identification of power feeds to instrument cabinets).	\$513.2

15. Final comparison report for LDMM technology assessment.

\$100.0

Total:
\$7,988.6

DEFINITIONS: *(define terms)*

COMPLETION DOCUMENTS LIST: *(Name the Documents, Databases, etc., which will be submitted to show completion for each Performance Expectation.)*

The Contractor will submit a letter report documenting completion for each item in Section 3.

ASSUMPTIONS/TECHNICAL BOUNDARY CONDITIONS: *(For reasonably foreseeable impacts to performance that are not within control of Contractor. If the assumption or condition proves false, the remedy is renegotiations unless stated otherwise.)*

SECTION 5
Signatures

ORP Manager/Date

CHG President and General Manager/Date

ORP Contracting Officer/Date

CHG Contract Representative/Date